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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/551,998	10/05/2006	Kai Schiemann	MERCK-3073	6474
MILLEN, WHITE, ZELANO & BRANIGAN, P.C. 2200 CLARENDON BLVD. SUITE 1400 ARLINGTON, VA 22201			EXAMINER	
			CHU, YONG LIANG	
			ART UNIT	PAPER NUMBER
			1626	
			MAIL DATE	DELIVERY MODE
			08/07/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summers	Application No. 10/551,998	Applicant(s)	
Office Action Commons	10/551 998		
Office Action Cumpness	10/001,000	SCHIEMANN ET AL.	
Office Action Summary	Examiner	Art Unit	
	YONG CHU	1626	
The MAILING DATE of this communication appeariod for Reply	ppears on the cover sheet w	ith the correspondence address	
A SHORTENED STATUTORY PERIOD FOR REP WHICHEVER IS LONGER, FROM THE MAILING I - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory perio - Failure to reply within the set or extended period for reply will, by statu. Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNI 1.136(a). In no event, however, may a d will apply and will expire SIX (6) MOI ute, cause the application to become Al	CATION. reply be timely filed ITHS from the mailing date of this communication BANDONED (35 U.S.C. § 133).	
Status			
1) Responsive to communication(s) filed on 23.	is action is non-final. ance except for formal mat	· •	
Disposition of Claims			
4) ☐ Claim(s) 1-8, and 10-25 is/are pending in the 4a) Of the above claim(s) 2-6,8, 10-12, and 1 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1 is/are rejected. 7) ☐ Claim(s) 1,7,13 and 16-25 is/are objected to. 8) ☐ Claim(s) are subject to restriction and	<u>4-15</u> is/are withdrawn from	consideration.	
Application Papers			
9) The specification is objected to by the Examir 10) The drawing(s) filed on is/are: a) according a deposition of the deposition and applicant may not request that any objection to the Replacement drawing sheet(s) including the correct and the deposition of the second	ccepted or b) objected to e drawing(s) be held in abeyal ection is required if the drawing	nce. See 37 CFR 1.85(a). (s) is objected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119			
a) All b) Some * c) None of: 1. Certified copies of the priority documer 2. Certified copies of the priority documer 3. Copies of the certified copies of the pri application from the International Bure * See the attached detailed Office action for a list	nts have been received. nts have been received in A iority documents have beer au (PCT Rule 17.2(a)).	application No received in this National Stage	
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08)	Paper No(Summary (PTO-413) s)/Mail Date nformal Patent Application	

DETAILED ACTION

Claim 9 has been canceled by the amendment on 04/23/2008. Claims 17-25 are new by the amendment. Claims 1-8, and 10-25 are pending in the instant application.

Information Disclosure Statement

Applicants' Information Disclosure Statements, filed on 04/23/2008 has been considered. Please refer to Applicant's copy of the PTO-1449 submitted herewith.

Response to Amendment

The amendment by Applicants' representative Csaba Henter dated on 04/23/2008 has been entered.

Status of the Claims

Claims 2-6, 8, 10-14 are non-elected subject matter. Amended claim 15 is further withdrawn from further consideration by the Examiner as being drawn to non-elected inventions under 37 CFR 1.142(b), because it is a method of use claim, which is distinct from product a claim.

Elected and Examined Subject Matter

The scope of the invention of the elected subject matter and the examined subject matter is as follows:

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A compound of the Formula I

according to claim 1,

wherein:

X is CH;

m is 1,2, or 3;

Q is saturated, unsaturated or aromatic mono- or bicyclic heterocyclic radical, which is unsubstituted or mono- or polysubstituted according to Claim 1;

R⁵ is a optionally substituted phenyl; and

R¹ and R² are H. or Hal.

As a result of the election and the corresponding scope of the invention identified supra, the remaining subject matter of claims 1, 7, 13, and 16-25 are withdrawn from further consideration pursuant to 37 CFR 1.142 (b) as being drawn to non-elected inventions. The withdrawn compounds contain varying functional groups, which are chemically recognized to differ in structure, function, and reactivity. Therefore, claims 1, 7, 13, and 16-25 will be examined on the merits.

Response to Arguments/Remarks

Specification

Applicant's submission of continuing data to which the instant application claims benefit from in the first paragraph of the specification obviated the objection.

Rejection under 35 U.S.C.§112, 1st paragraph

Applicant's amendment over the rejected claims obviates the rejection.

Rejection under 35 U.S.C.§112, 2nd paragraph

Applicant's amendment over the rejected claim 1 for missing the definition of substituent "X" by importing the definition from the specification obviates the rejection.

Applicant's amendment over the rejected claim 16 by importing each the definition of the substituents of formula (I) from the specification obviates the rejection.

In terms of the rejected claim 7 for the incomplete formula IA, Applicant's amendment and argument have been considered, and are found not persuasive. The

such as Formula IB. Therefore, the rejection is maintained.

incomplete formula IA

as marked by "?", because it is not clear what substituent is attached to the carbonyl group, a -H, or other substituents. If it is -H, applicant should make the record clear, as well as other formulae in the specification

Rejection under 35 U.S.C.§102(b)

Applicant's amendment and argument over rejected claim 1 has been fully considered, and is found not persuasive. The amended claim 1 is stilled anticipated by the previously cited Caramella reference. It is because the cited prior art compound

(CAS RN 165963-83-7) still anticipates scope of the amended claim 1.

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The amended claim 1 claims a compound of formula I, wherein Het denotes a saturated, unsaturated or aromatic mono- or bicyclic heterocyclic. Claim 1 is not clear whether the heterocyclic of "Het" is substituted or unsubstituted, is substituted by what group, if is substituted. The examiner gives the broadest interpretation of claim 1 regarding "Het" in light the specification at page 11, line 15 as one of the preferred "Het"

as , wherein the heterocyclic is substituted by a phenyl group. Therefore, the amended claim 1 is still anticipated by the prior art compound, wherein \mathbf{X} is CH; \mathbf{m} is 2; \mathbf{Q} is an aromatic monocyclic heterocyclic radical; \mathbf{R}^5 is a optionally substituted phenyl; and \mathbf{R}^1 and \mathbf{R}^2 are H, (see compound 5, page 517). Therefore, the rejection is maintained.

In addition, the amended claim 1 is further rejected under 35 U.S.C.§102(b) by Katritzky et al, *Journal of Heterocyclic Chemistry* (1996), 33(6), pp. 1637-1646 ("Katritzky et al"). A specific compound (CAS RN 187095-38-1)

is disclosed, which anticipated the instantly

claimed scope of invention, wherein X is CH; m is 1; Q is an aromatic bicyclic heterocyclic radical; R^5 is a optionally substituted phenyl; and R^1 and R^2 are Hal.

Claims objection

Claims 1, 7, 13, and 16-25 are objected to for containing non-elected subject mater and/or depend on rejected claim 1.

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Conclusions

No claims are allowed.

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Telephone Inquiry

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yong Chu whose telephone number is 571-272-5759. The examiner can normally be reached on 7:00 am - 3:30 pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph K. M^oKane can be reached on 571-272-0699. The fax phone

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number for the organization where this application or proceeding is assigned is 571-

273-8300.

Status Information regarding the status of an application may be obtained from

the Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

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you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

/Yong Chu, Ph.D./ Patent Examiner Art Unit 1626 /Kamal Saeed, Ph.D./ Supervisory Patent Examiner Art Unit 1626